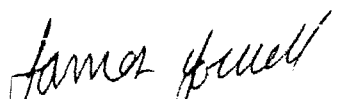


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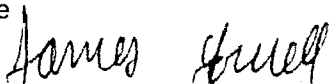
DATA MATRIX

Date 11/7/19/2015		EPA Reg. No./File Symbol 90866 - NEW		1 of 11	
Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761		Product CH Bio Tech CHITOSAN Technical			
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
880.1100	Product Identity and Composition		CH Bio Tech	OWN	
880.1200	Description of materials & formulation process		CH Bio Tech	OWN	
880.1400	Discussion of Formation of Impurities		CH Bio Tech	OWN	
830.1750	Certified Limits		CH Bio Tech	OWN	
830.1800	Enforcement Analytical Method		CH Bio Tech	OWN	
830.6302	Color		CH Bio Tech	OWN	
830.6303	Physical State		CH Bio Tech	OWN	
830.6304	Odor		CH Bio Tech	OWN	
830.6313	Stability to normal and elevated temps. Metal			Waiver	4
830.6315	Flammability/Flame Extension				3
830.6317	Storage Stability				4
830.6319	Miscibility				5
830.6320	Corrosion Characteristics				6
830.6321	Dielectric Breakdown Voltage				7
830-7000	pH		CH Bio Tech	OWN	
830.7050	UV/Visible light absorption		CH Bio Tech	OWN	11
860-7100	Viscosity		CH Bio Tech	OWN	
830.7300	Density		CH Bio Tech	OWN	
830.7200	Melting Point		CH Bio Tech	OWN	
830.7840	Water Solubility		CH Bio Tech	OWN	12
830.7950	Vapor Pressure				13
Signature 			Name and Title James Yowell, Consultant		Date 11/19/2015

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Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761		Product CH Bio Tech CHITOSAN Technical			
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
TOXICOLOGY			CH Bio Tech	OWN	
870.1100	Acute Oral Toxicity - Rat		CH Bio Tech	OWN	
870.1200	Acute Dermal Toxicity - Rabbit/Rat		CH Bio Tech	OWN	
870.2400	Primary Eye Irritation - Rabbit		CH Bio Tech	OWN	
870.1300	Acute Inhalation		CH Bio Tech	OWN	
870.2500	Primary Skin Irritation		CH Bio Tech	OWN	
870.2600	Dermal Sensitization		CH Bio Tech	OWN	
810.3100, 810.3200, 810.3300, 810.3500 10.3500810.3500	Efficacy			Waived	9
ECOLOGICAL EFFECTS					
850.2100	Avian Acute Oral Toxicity		CH Bio Tech	Waiver	
850.2150	Avian Acute Oral -Duck		CH Bio Tech	Waiver	
850.2200	Avian Dietary Toxicity - Quail		CH Bio Tech	Waiver	
850.2200	Avian Dietary Toxicity - Duck		CH Bio Tech	Waiver	
850.2300	Avian Reproduction - Quail		CH Bio Tech	Waiver	
850.2300	Avian Reproduction - Duck				16
850.1035	Acute Wild Mammal Toxicity- Rat				16
850.1075	Fish Toxicity Bluegill		CH Bio Tech	Waiver	
850.1075	Freshwater Fish Toxicity Rainbow Trout		CH Bio Tech	Waiver	
850.1010	Freshwater Invertebrate Toxicity		CH Bio Tech	Waiver	
850.5400	Aquatic Plant Growth				16
Signature 			Name and Title James Yowell, Consultant		Date 11/19/15

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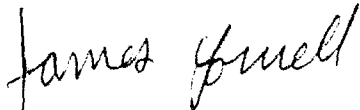
DATA MATRIX

Date 11/19/15		EPA Reg. No./File Symbol 90866- NEW		3 of 11	
Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761		Product CH Bio Tech CHITOSAN Technical			
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
850.4025	Target area Toxicity				16
850.4100	Terrestrial Plant Seedling Emergence		CH Bio Tech	Waiver	
830.4150	Terrestrial Plant Vegetative Vigor		CH Bio Tech	Waiver	
850.4200	Seed Germination/Root Elongation				16
850.4400	Aquatic Plant Toxicity Lemna spp.				16
850.3020	Honey Bee Contact Toxicity		CH Bio Tech	Waiver	
850.3030	Honey Bee Toxicity of Residues on Foliage				16
850.3040	Field Testing for Pollinators				16
850.4225/4250/4300/4450	Non Target Plant		CH Bio Tech	Waiver	14/15
			Name and Title James Yowell, Consultant		11/19/15

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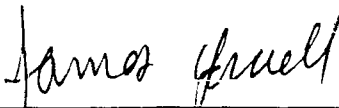
DATA MATRIX

Date 11/19/15			EPA Reg. No./File Symbol 90866 - NEW	Page 4 of	
Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761			Product CH Bio Tech CHITOSAN Technical		
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
TOXICOLOGY					
870.3100	Subchronic Oral Toxicity: 90- Day Study Rodent		CH Bio Tech	Waiver	
870.3150	Subchronic Oral Toxicity: 90- Day Study Non-				16
850.1010	21-Day Dermal - Rabbit/Rat				16
850.5400	Developmental Toxicity - Rat		CH Bio Tech	Waiver	
870.3200	Developmental Toxicity - Rabbit				16
870.3250	90 Day Dermal - Rat		CH Bio Tech	Waiver	
870.3465	90 Day Inhalation -Rat		CH Bio Tech	Waiver	
870.3800	2-Generation Reproduction - Rat				16
870.4100	Chronic Feeding Toxicity - Rat				16
870.4150	Chronic Feeding Toxicity - Non-rodent				16
870.4200a	Oncogenicity Rat				16
870.4200	Carcinogenicity Mice				16
870.4300	Combined Chronic Toxicity/Carcinogenicity: Rats				16
870.5100	Bacterial Reverse Gene Mutation			Waiver	
870.5300	Gene Mutation in Somatic cells			Waiver	
870.5375	In vitro mammalian cell assay			Waiver	
Signature 			Name and Title James Yowell, Consultant		Date 11/19/15

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Date 11/19/15			EPA Reg. No./File Symbol 90866 - NEW	Page 5 of 11	
Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761			Product CH Bio Tech CHITOSAN Technical		
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
870.7485	General Metabolism		CH Bio Tech	Waived	16
ENVIRONMENTAL FATE					
835.2120	Hydrolysis		CH Bio Tech	Waived	16
835.2240	Photodegradation - Water		CH Bio Tech	Waived	16
835.4400	Anaerobic Aquatic Metabolism		CH Bio Tech	Waived	16
835.4300	Aerobic Aquatic Metabolism		CH Bio Tech	Waived	16
835.1240	Leaching/Adsorption/Desorption		CH Bio Tech	Waived	16
ENVIRONMENTAL FATE					
835.2120	Hydrolysis		CH Bio Tech	Waived	16
835.2240	Photodegradation - Water		CH Bio Tech	Waived	16
835.4400	Anaerobic Aquatic Metabolism		CH Bio Tech	Waived	16
OCCPATIONAL/RESIDENTIAL	ALL REQUIREMENTS			ALL	
835.1410	Laboratory Volatilization		CH Bio Tech	Laboratory	16
165-4	Bioaccumulation in Fish		CH Bio Tech	Bioaccumulation in Fish	16
Signature 			Name and Title James Yowell, Consultant		Date 11/19/15

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Date 11/19/15		EPA Reg. No./File Symbol 90866 - NEW		6 of 11	
Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761		Product CH Bio Tech CHITOSAN Technical			
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
			CH Bio Tech	OWN	
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			CH Bio Tech	OWN	1
			CH Bio Tech	OWN	
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			CH Bio Tech	OWN	
				Waiver	4
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				PAY	4
				PAY	5
				PAY	6
				PAY	7
				PAY	11
				OWN	
			CH Bio Tech	OWN	11
			CH Bio Tech	OWN	
			CH Bio Tech	OWN	
				Waiver	
			CH Bio Tech	OWN	12
					13
Signature <i>James Yowell</i>			Name and Title James Yowell, Consultant		Date 11/19/15

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DATA MATRIX

Date 11/19/15	EPA Reg. No./File Symbol 90866 - NEW	Page 7 of 11
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Applicant's/Registrant's Name & Address
CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761

Product
CH Bio Tech CHITOSAN Technical

Ingredient(s) CHITOSAN / CHITIN

Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
			Submitter	Status	
			CH Bio Tech	OWN	
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Signature

James Yowell

Name and Title

James Yowell, Consultant

Date

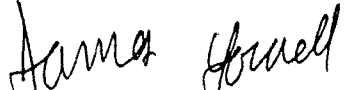
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Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761			Product CH Bio Tech CHITOSAN Technical		
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
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				Waiver	
				Waiver	
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				Waiver	
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				Waived	14/15
Signature 			Name and Title James Yowell, Consultant		Date 11/19/15

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Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761	Product CH Bio Tech CHITOSAN Technical	

Ingredient(s) CHITOSAN / CHITIN

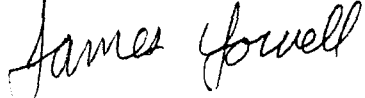
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
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				Waiver	
				Waiver	
				Waiver	

Signature 	Name and Title James Yowell, Consultant	Date 7/11/15
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DATA MATRIX

Date 7/11/15		EPA Reg. No./File Symbol 90886 - NEW		Page 10 of 11	
Applicant's/Registrant's Name & Address CH Bio Tech R&D Co. Ltd, 601 Kettering Dr CA 91761		Product CH Bio Tech CHITOSAN Technical			
Ingredient(s) CHITOSAN / CHITIN					
Guideline Reference Number	Guideline Study Name	MRID	Submitter	Status	Note
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				Waived	16
				Waived	16
				Waived	16
					16
					16
Signature 			Name and Title James Yowell, Consultant		Date 7/11/15

DATA MATRIX FOOTNOTES

CH Bio Tech R&D Co. Ltd, 601 Kettering CA 91761

1.	Submittal of Samples	Not required at this time for end use products
2.	Oxidation/Reduction	Not Applicable. The technical grade active ingredient is an acid and is considered a strong oxidizing agent.
3.	Flammability	Not Applicable. Neither the technical grade active ingredient nor the inert ingredients are considered as potentially flammable.
4.	Storage Stability	Will be submitted if necessary.
5.	Miscibility	Not Applicable. This product is not intended to be diluted with petroleum solvents.
6.	Corrosion Characteristics	Will be submitted if necessary. Product is not considered Corrosive to metals.
7.	Dielectric Breakdown Voltage	Not Applicable. This product is not intended to be used around electrical equipment.
9.	Efficacy	Efficacy data waived based on known effects to eyes and skin (the intended use).
10.	Partition Coefficient	100% water soluble not required.
11.	UV/Visible light absorption	Submitted
12.	Water solubility	100% water soluble.
13.	Vapor Pressure	Not required for salts, waiver request for crystalline sugar.
14.	Seeding Emergence Vegetable Vigor	not required for non phytotoxicants.
15.	Non target plants	Technical product not expected to move off-target.
16.	Not required	For Tier 1 testing

OWN: I am the Original Data Submitter for this study.

EXC: I have obtained written permission of the Original Data Submitter to cite this exclusive-use study in support of this application.

PER: I have obtained the permission of the Original Data Submitter to use this study in support of this application.

OLD: The study was submitted more than 15 years ago and all periods of compensation have expired.

PL: The study is in the public literature.

PAY: I have notified in writing the Original Data Submitter or, if the cite-all method is used, all companies listed in the most current Data Submitters List for this ingredient, and have offered (a) to pay compensation in accordance with FIFRA sections 3(c)(1)(F) and/or 3(c)(2)(B), and (b) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study(ies).

GAP: This Guideline data requirement is a data gap as defined in 40 CFR sections 152.83(a) and 152.96.

FOR: I am taking the formulator's exemption for this ingredient only. Other columns of this line should be marked "NA". However, if this product is to be registered/reregistered for additional uses for which the purchased EPA registered ingredient is not supported, additional data must be submitted or cited here to support those uses.

Note: If additional explanation is needed, enter a footnote number in this column and attach the corresponding explanation.